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(54) Title: COMBINATION OF A GUARD BED AND A COPPER-CONTAINING CATALYST BED

(57) **Abstract:** A catalyst bed combination comprising a bed of a particulate copper-containing catalyst and, upstream of the catalyst bed, a guard bed in the form of shaped units formed from lead oxide particles and a particulate support material. The guard bed extends the life of the copper catalyst by absorbing halide contaminants in the process stream.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J20/06 B01J20/30 B01J23/72 C01B3/16 C07C31/04
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C01B C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 17674 A (WATSON MICHAEL JOHN ; ICI PLC (GB)) 15 March 2001 (2001-03-15) cited in the application page 2, line 15 - line 16 examples 3,8; tables 1,2 claims	1-9
P, X	WO 02 066156 A (WATSON MICHAEL JOHN ; ICI PLC (GB)) 29 August 2002 (2002-08-29) page 2, line 10 - page 4, line 15 example 6; table 2	1-9
A	US 4 849 576 A (NOWACK GERHARD P ET AL) 18 July 1989 (1989-07-18) column 4, line 25 - line 42	1-8
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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